Claims

1. A multi-layer pressure pipe (20) of a plastic material, containing fiber reinforced layers, **characterized** in that the multi-layer pressure pipe (20) is formed by using as the extruder a cone extruder (10) which cross-orients the reinforcement fibers in the extruded material in the successive layers (21,22,23,24), and that the material extruded is a polyolefin which contains long-fiber reinforcements.

2. A multi-layer pressure pipe (20) according to Claim 1, **characterized** in that the melt flow rate ($MFR_2$) (230°C, 2.16 kg) of the polyolefin is greater than 1, preferably 10-18g/10 min.

3. A multi-layer pressure pipe (20) according to Claim 1 or 2, **characterized** in that the pressure pipe (20) is a pressure pipe the pressure category of which is PN 16 or higher according to standard ISO 4065.

4. A multi-layer pressure pipe (20) according to any one of Claims 1-3, **characterized** in that the polyolefin is polypropylene, and that the long-fiber reinforcements are glass fibers.

5. A multi-layer pressure pipe (20) according to any one of Claims 1-4, **characterized** in that the length of the long-fiber reinforcements is at least 30 times the fiber diameter.

6. A multi-layer pressure pipe (20) according to any one of Claims 1-5, **characterized** in that the length of the long-fiber reinforcements in the pressure pipe is in the order of magnitude of 0.5-50 mm, preferably 1-20 mm, and most preferably 2-15 mm.

7. A multi-layer pressure pipe (20) according to any one of Claims 1-6, **characterized** in that the amount of long-fiber reinforcements ranges from 5 to 95 % by weight, preferably from 25 to 75 % by weight.

8. A multi-layer pressure pipe (20) according to any one of Claims 1-7, **characterized** in that the pressure pipe (20) has a double-layer structure.

9. A multi-layer pressure pipe (20) according to any one of Claims 1-7, **characterized** in that the pressure pipe (20) has a four-layer structure.